

CLA Series

Real Sound acoustic engineer has been trying to design good-quality and professional sound system with clear and precise sonic since it was started 10 years ago. The CLA series adopted world-class Neodymium Iron design in 2004. It provides strong, smooth and predictable performance in compact structure while it provides accurate acoustic position. And it wins widespread high praise in the whole world industry expert with high sensitivity, high sound pressure and high-pitched sound. It is suited for large or middle size venue.

As meeting the standards of the corrected technology before waveform, it is of extraordinary transparency and perfect coherence when the CLA series cabinets are arrayed horizontally. And when two or three array is used as main sound enforcement, it can effectively convey high SPL to meet the needs of the majority of audio materials. The horizontal coverage is precisely determined by the numbers of speakers. The CLA series is a perfect acoustics sound and of a wide range of applications, small size, high sound pressure, and extremely light weight is the cabinet with excellent performance.



REAL
Sound

For further descriptions please visit our homepage at www.realsound-audio.com 19

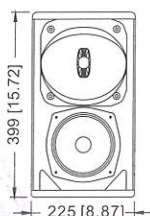
CLA Series

All CLA series speaker cabinets share the following features

- supported with a full range of mounting and flying accessories.
- Compound-wood cabinets, finished with rugged water-based texture lacquer
- connector panel with 2 speakon connectors
- recessed metal handles
- high-efficiency bass speakers with strong die-cast aluminum frame
- electronic protection for midrange and high range speakers
- baltic birch ply finished with textured, polyurethane black coating



CLA-601x
Full Range



CLA-601x

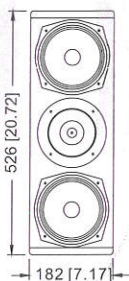
A 2-way full range system in a trapezoidal enclosure. Includes 6inch(44mm)voice coil Ferrite magnet LF driver and a 1inch(34mm voice coil) Ferrite magnet HF with a 90° horizontal horn,80°to 60°vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications.Using together with our CLA-155BQ subwoofers , the CLA-601x represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 18mm thickness high -density plywood and with extensive internal bracing support.The enclosure is in water-resistant textured black paint for wear resistance and durability employ extensive internal bracing.

CLA-661x

A 2-way full range system in a trapezoidal enclosure. Includes dual 6inch(44mmvoice coil) Ferrite magnet LF driver and a 2inch(44mmvoice coil) Ferrite magnet HF with a 80° horizontal horn,80°vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications.Using together with our CLA-155BQ subwoofers , the CLA-601x represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 18mm thickness high -density plywood and with extensive internal bracing support.The enclosure is in water-resistant textured black paint for wear resistance and durability employ extensive internal bracing.



CLA-661x
Full Range

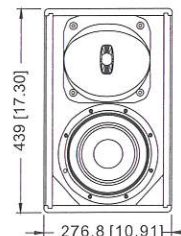


CLA-801x

A 2-way full range system in a trapezoidal enclosure. Includes 8inch(64mm voice coil)Ferrite magnet LF driver and a 1inch(34mm voice coil) HF driver with a 90° horizontal horn,80°to 60°vertical horn. This cabinet has a very natural and clear sound which makes it an ideal match for our power mixing console. Combining the CLA-801 with our CLA-155BQ . Subwoofer makes for CLA system with a deep and powerful bass response. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 15mm thickness high-density plywood and employ extensive internal bracing support.



CLA-801x
Full Range



CLA Series

Model:	CLA-601x	CLA-661x	CLA-801x
System Power Rating	150W AES,600W peak	250W AES,1200W peak	200W AES,800W peak
Frequency Range(±3dB)	80Hz-20KHz	80Hz-20KHz	70Hz-20KHz
Impedance	8ohm	4ohm	8ohm
Sound Pressure Level(1w/1m)/max.cont.	90dB/110dB SPL	92dB/110dB SPL	96dB/123dB SPL
Coverage (H x V)	90° hor,80°to 60°ver	80° x 80°	90° hor,80°to 60°ver
Transducers LF	6.5inch LF Drivers	2x6.5inch LF Drivers	8inch LF Drivers
M/HF	1inch Compression Drivers	2inch Compression Drivers	1inch Compression Drivers
Dimensions wxhxd(inch)	8.87x15.72x19.43	10.91x17.30x7.88	10.91x17.30x10.26
wxhxd(millimetre)	225x399x239	182x526x200	277x439x260
Weight(Kg)	8	13	12
Connectors	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon

CLA Series

All models out to the CLA series designed for

- Excellent sound
- Compact size
- Low weight
- versatile
- Versatile setup combinations
- Bi-Amplifier or singal-Amplifier

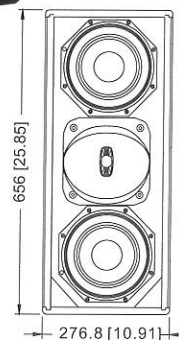
CLA-881x

A 2-way full range system in a trapezoidal enclosure. Includes dual 8inch(64mm voice coil) Ferrite magnet LF driver and a 1inch(34mm voice coil) Ferrite magnet HF driver with a 90° horizontal horn,80°to 60°vertical horn. This cabinet has a very natural and clear sound which makes it an ideal match for our power mixing console. Combining the CLA-801 with our CLA-155BQ . Subwoofer makes for CLA system with a deep and powerful bass response. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 15mm thickness high-density plywood and employ extensive internal bracing support.



CLA-881x

Full Range



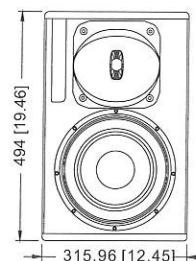
CLA-1001x

A 2-way full range system in a trapezoidal enclosure. Includes dual 10inch(64mm voice coil) Ferrite magnet LF driver and a 2inch(44mm voice coil) Ferrite magnet HF driver with a 90° horizontal horn,80°to 60°vertical horn. This cabinet has a very natural and clear sound which makes it an ideal match for our power mixing console. Combining the CLA-801 with our CLA-18BQ . Subwoofer makes for CLA system with a deep and powerful bass response. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 15mm thickness high-density plywood and employ extensive internal bracing support.



CLA-1001x

Full Range



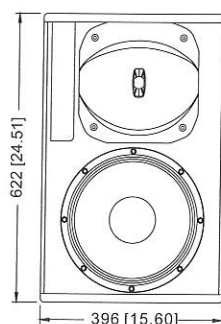
CLA-1202x

A 2-way full range system in a trapezoidal enclosure. Includes dual 12inch(75mm voice coil) Ferrite magnet LF driver and a 2inch(44mm voice coil) Ferrite magnet HF driver with a 90° horizontal horn,80°to 60°vertical horn. This cabinet has a very natural and clear sound which makes it an ideal match for our power mixing console. Combining the CLA-801 with our CLA-218BQ . Subwoofer makes for CLA system with a deep and powerful bass response. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 15mm thickness high-density plywood and employ extensive internal bracing support.



CLA-1202x

Full Range



CLA Series

Model:	CLA-881x	CLA-1001x	CLA-1202x
System Power Rating	300w AES, 12000w Peak	300w AES, 1200w Peak	400w AES, 1600w Peak
Frequency Range(±3dB)	70Hz-20KHz	70Hz-20KHz	55Hz-20KHz
Impedance	4ohm	8ohm	8ohm
Sound Pressure Level(1w/1m)/max.cont.	96dB/123dB SPL	98dB/125dB SPL	100dB/130dB SPL
Coverage	90° hor,80°to 60°ver	90° hor,80°to 60°ver	90° hor,80°to 60°ver
Transducers LF	2x8inch LF Drivers	10inch LF Drivers	12inch LF Drivers
M/HF	2inch Compression Drivers	2inch Compression Drivers	2inch Compression Drivers
Dimensions wxhxd(Inch)	10.91x25.85x10.56	12.45x19.46x12.68	15.60x24.51x14.85
wxhxd(Millimeter)	277x656x268	316x494x321	396x622x377
Weight(Kg)	19	18	25
Connectors	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon

2 specifications

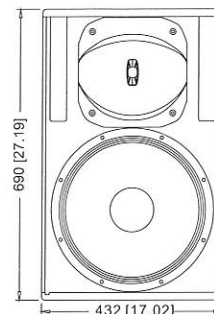
REAL
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CLA-1503x

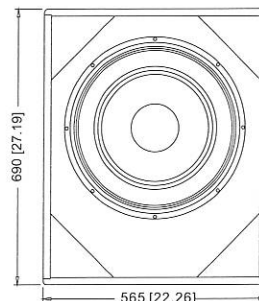
A 2-way full range system in a trapezoidal enclosure. Includes dual 15inch(75mm voice coil) Ferrite magnet LF driver and a 3inch(75mm voice coil) Ferrite magnet HF driver with a 90° horizontal horn,80°to 60°vertical horn. This cabinet has a very natural and clear sound which makes it an ideal match for our power mixing console. Combining the CLA-801 with our CLA-218BQ . Subwoofer makes for CLA system with a deep and powerful bass response. The loudspeaker enclosure shall be rectangular in shape. It is constructed with 15mm thickness high-density plywood and employ extensive internal bracing support.



CLA-1503x
Full Range

CLA-18B

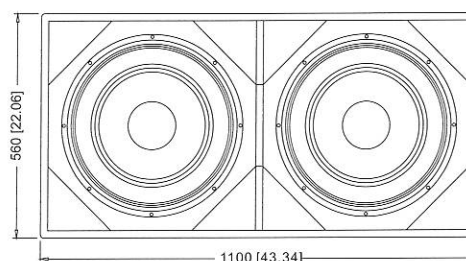
The CLA-18B is a self-contained passive high power subwoofer system with single 18inch(100mm voice coil) Ferrite magnet driver front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement systems and is ideal for corporate and industrial events. The CLA-1202x and CLA-1503x can supply extreme SPL within the recommended bandpass of 35-300Hz. The CLA-18B is a powered subwoofer. The loudspeaker enclosure is rectangular in shape. It is constructed with 18mm thickness high -density plywood and with extensive internal bracing support. The enclosure is in water-resistant textured black paint for wear resistance and durability. It is high density plywood and shall employ extensive internal bracing.



CLA-18B
Subwoofer

CLA-218B

The CLA-218B is a self-contained passive high power subwoofer system with dual 18inch(100mm voice coil) Ferrite magnet driver front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement systems and is ideal for corporate and industrial events. The CLA-1202x and CLA-1503x can supply extreme SPL within the recommended bandpass of 35-300Hz. The CLA-18B is a powered subwoofer. The loudspeaker enclosure is rectangular in shape. It is constructed with 18mm thickness high -density plywood and with extensive internal bracing support. The enclosure is in water-resistant textured black paint for wear resistance and durability. It is high



CLA-218B
Subwoofer

CLA Series

Model:	CLA-1503x	CLA-18B	CLA-218B
System Power Rating	500w AES, 2000w Peak	650w AES, 2600w Peak	1300w AES, 5200w Peak
Frequency Range(±3dB)	55Hz-20KHz	35Hz-300Hz	35Hz-300Hz
Impedance	8ohm	8ohm	4ohm
Sound Pressure Level(1w/1m)/max.cont.	100dB/130dB SPL	100dB/134dB SPL	101dB/135dB SPL
Coverage (H x V)	80° x 50°	----	----
Transducers LF	15inch LF Drivers	18inch LF Driver	2 x 18inch LF Driver
HF	3inch Compression Drivers	----	----
Dimensions wxhxd(inch)	17.02x28.57x30.73	22.26x27.19x23.64	44.88x17.72x32.31
wxhxd(millimetre)	432x725x388	565x690x600	1100x560x820
Weight(Kg)	30	45	90
Connectors	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon

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Subwoofer

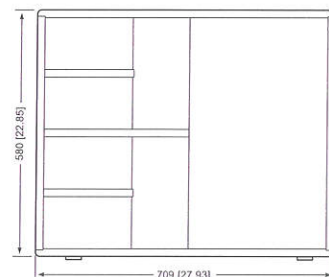
CLA-8801B

The CLA-8801B is a passive high power subwoofer system with singel 18inch(125mm voice coil) ferrite magnet LF driver. The system is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement speaker; it is an ideal choice for corporate and industrial events. The CLA-1202x, CLA-1503x can supply extreme SPL within the recommended bandpass of 40-300Hz. The loudspeaker enclosure is rectangular in shape and constructed with 18mm thickness high-density plywood, the enclosure constructs with an extensive internal bracing support.



CLA-8801B

Reflex Loaded Sub-woofer



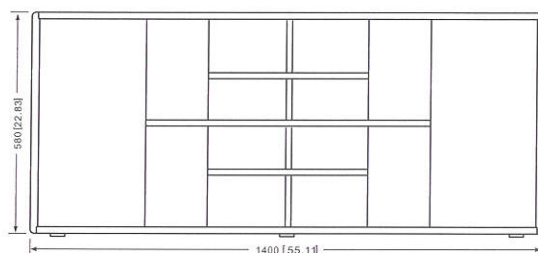
CLA-8901B

The CLA-8901B is a passive high power subwoofer system with dual 18inch(125mm voice coil) ferrite magnet LF driver. The system is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement speaker; it is an ideal choice for corporate and industrial events. The CLA-1202x, CLA-1503x can supply extreme SPL within the recommended bandpass of 40-300Hz. The loudspeaker enclosure is rectangular in shape and constructed with 18mm thickness high-density plywood, the enclosure constructs with an extensive internal bracing support.



CLA-8901B

Reflex Loaded Sub-woofer



CLA Series

Model:

System Power Rating
Frequency Range(± 3 dB)
Impedance
Sound Pressure Level(1w/1m)/max.cont.
Coverage
Transducers LF
M/HF
Dimensions wxhxd(Inch)
wxhxd(Millimeter)
Weight(Kg)
Connectors

CLA-8801B

700w AES, 5600w Peak
35Hz-300Hz
8ohm
100dB/139dB SPL

18inch LF Driver

27.93x22.83x30.70
709x580x780
65
2 x Neutrik NL4 Speakon

CLA-8901B

1400w AES, 5600w Peak
35Hz-300Hz
4ohm
104dB/139dB SPL

2x18inch LF Driver

55.11x22.83x30.70
1400x580x780
120
2 x Neutrik NL4 Speakon

Specifications

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